

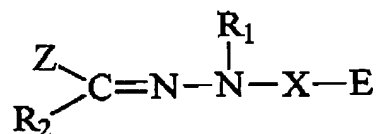
Application No. 10/695,581

AMENDMENTS TO THE CLAIMS

A detailed listing of all claims that are, or were, in the present application, irrespective of whether the claim(s) remains under examination in the application are presented below. The claims are presented in ascending order and each includes one status identifier. Those claims not cancelled or withdrawn but amended by the current amendment utilize the following notations for amendment: 1. deleted matter is shown by strikethrough for six or more characters and double brackets for five or less characters; and 2. added matter is shown by underlining.

1. (Original) An organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:

(a) a charge transport material having the formula



where R₁ and R₂ are, independently, H, an alkyl group, an alkaryl group, or an aryl group;

X is a linking group having the formula -(CH₂)_m-, branched or linear, where m is an integer between 1 and 20, inclusive, and one or more of the methylene groups is optionally replaced by O, S, C=O, O=S=O, a heterocyclic group, an aromatic group, urethane, urea, an ester group, a NR₃ group, a CHR₄ group, or a CR₅R₆ group where R₃, R₄, R₅, and R₆ are, independently, H, hydroxyl group, thiol group, an alkyl group, an alkaryl group, a heterocyclic group, or an aryl group;

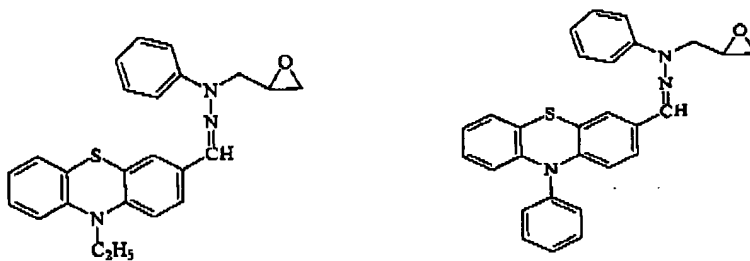
E is an epoxy group; and

Z comprises a phenothiazine group, a phenoxazine group, a phenoxathiin group, a dibenzo(1,4)dioxin group, a thianthrene group, or a phenazine group; and

(b) a charge generating compound.

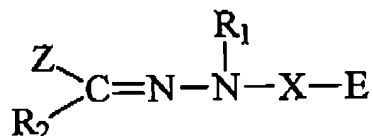
Application No. 10/695,581

2. (Original) An organophotoreceptor according to claim 1 wherein X is a CH₂ group.
3. (Original) An organophotoreceptor according to claim 2 wherein Z is a phenothiazine group.
4. (Original) An organophotoreceptor according to claim 1 wherein the charge transport material has a formula selected from the group consisting of the following:



5. (Original) An organophotoreceptor according to claim 1 wherein the photoconductive element further comprises a second charge transport material.
6. (Original) An organophotoreceptor according to claim 5 wherein the second charge transport material comprises an electron transport compound.
7. (Original) An organophotoreceptor according to claim 1 wherein the photoconductive element further comprises a binder.
8. (Original) An electrophotographic imaging apparatus comprising:
- (a) a light imaging component; and
 - (b) an organophotoreceptor oriented to receive light from the light imaging component, the organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising:
 - (i) a charge transport material having the formula

Application No. 10/695,581



where R₁ and R₂ are, independently, H, an alkyl group, an alkaryl group, or an aryl group;

X is a linking group having the formula -(CH₂)_m-, branched or linear, where m is an integer between 1 and 20, inclusive, and one or more of the methylene groups is optionally replaced by O, S, C=O, O=S=O, a heterocyclic group, an aromatic group, urethane, urea, an ester group, a NR₃ group, a CHR₄ group, or a CR₅R₆ group where R₃, R₄, R₅, and R₆ are, independently, H, hydroxyl group, thiol group, an alkyl group, an alkaryl group, a heterocyclic group, or an aryl group;

E is an epoxy group; and

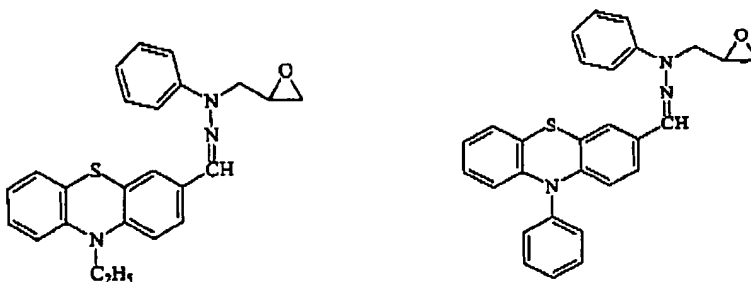
Z comprises a phenothiazine group, a phenoxazine group, a phenoxathiin group, a dibenzo(1,4)dioxin group, a thianthrene group, or a phenazine group; and

(ii) a charge generating compound.

9. (Original) An electrophotographic imaging apparatus according to claim 8 wherein X is a CH₂ group.

10. (Original) An electrophotographic imaging apparatus according to claim 9 wherein Z is a phenothiazine group.

11. (Original) An electrophotographic imaging apparatus according to claim 8, wherein the charge transport material has a formula selected from the group consisting of the following:



Application No. 10/695,581

12. (Original) An electrophotographic imaging apparatus according to claim 8 wherein the photoconductive element further comprises a second charge transport material.

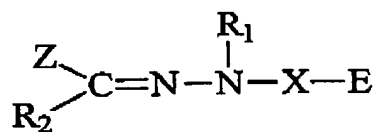
13. (Original) An electrophotographic imaging apparatus according to claim 12 wherein second charge transport material comprises an electron transport compound.

14. (Original) An electrophotographic imaging apparatus according to claim 8 further comprising a liquid toner dispenser.

15. (Original) An electrophotographic imaging process comprising;

(a) applying an electrical charge to a surface of an organophotoreceptor comprising an electrically conductive substrate and a photoconductive element on the electrically conductive substrate, the photoconductive element comprising

(i) a charge transport material having the formula



where R₁ and R₂ are, independently, H, an alkyl group, an alkaryl group, or an aryl group;

X is a linking group having the formula -(CH₂)_m-, branched or linear, where m is an integer between 1 and 20, inclusive, and one or more of the methylene groups is optionally replaced by O, S, C=O, O=S=O, a heterocyclic group, an aromatic group, urethane, urea, an ester group, a NR₃ group, a CHR₄ group, or a CR₅R₆ group where R₃, R₄, R₅, and R₆ are, independently, H, hydroxyl group, thiol group, an alkyl group, an alkaryl group, a heterocyclic group, or an aryl group;

E is an epoxy group; and

Z comprises a phenothiazine group, a phenoxazine group, a phenoxathiin group, a dibenzo(1,4)dioxin group, a thianthrene group, or a phenazine group; and

(ii) a charge generating compound.

Application No. 10/695,581

(b) imagewise exposing the surface of the organophotoreceptor to radiation to dissipate charge in selected areas and thereby form a pattern of charged and uncharged areas on the surface;

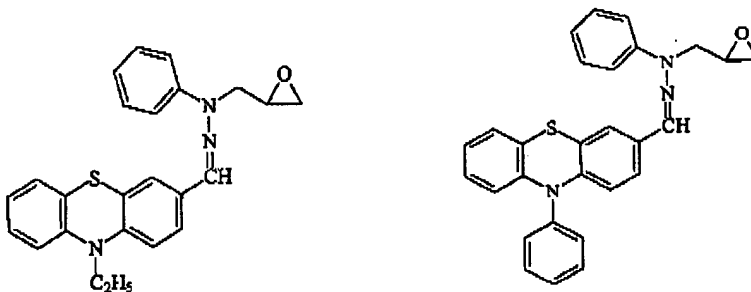
(c) contacting the surface with a toner to create a toned image; and

(d) transferring the toned image to substrate.

16. (Original) An electrophotographic imaging process according to claim 15 wherein X is a CH_2 group.

17. (Original) An electrophotographic imaging process according to claim 16 wherein Z is a phenothiazine group.

18. (Original) An electrophotographic imaging process according to claim 15 wherein the charge transport material has a formula selected from the group consisting of the following:



19. (Original) An electrophotographic imaging process according to claim 15 wherein the photoconductive element further comprises a second charge transport material.

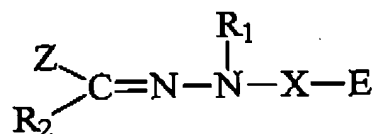
20. (Original) An electrophotographic imaging process according to claim 19 wherein the second charge transport material comprises an electron transport compound.

21. (Original) An electrophotographic imaging process according to claim 15 wherein the photoconductive element further comprises a binder.

Application No. 10/695,581

22. (Original) An electrophotographic imaging process according to claim 15 wherein the toner comprises a liquid toner comprising a dispersion of colorant particles in an organic liquid.

23. (Original) A charge transport material having the formula



where R_1 and R_2 are, independently, H, an alkyl group, an alkaryl group, or an aryl group;

X is a linking group having the formula $-(\text{CH}_2)_m-$, branched or linear, where m is an integer between 1 and 20, inclusive, and one or more of the methylene groups is optionally replaced by O, S, C=O, O=S=O, a heterocyclic group, an aromatic group, urethane, urea, an ester group, a NR_3 group, a CHR_4 group, or a CR_5R_6 group where R_3 , R_4 , R_5 , and R_6 are, independently, H, hydroxyl group, thiol group, an alkyl group, an alkaryl group, a heterocyclic group, or an aryl group;

E is an epoxy group; and

Z comprises a phenothiazine group, a phenoxazine group, a phenoxathiin group, a dibenzo(1,4)dioxin group, a thianthrene group, or a phenazine group.

24. (Original) A charge transport material according to claim 23 wherein X is a CH_2 group.

25. (Original) A charge transport material according to claim 24 wherein Z is a phenothiazine group.

26. (Original) A charge transport material according to claim 23 wherein the charge transport material has a formula selected from the group consisting of the following:

Application No. 10/695,581

